

WHAT IS CLAIMED IS:

1. A method for generating at least one digital drawing using a server system including a client system having a browser and a data storage device, the server system coupled to the client system and the data storage device, a plurality of orthographic rules and a computer generated model of a part stored in the data storage device and accessible by the server system, said method comprising the steps of:

generating a plurality of digital drawing views with the server system, such that the digital drawing views are based on the pre-stored orthographic projection rules and the computer generated model; and

editing the plurality of digital drawing views with the server system.

10 2. A method in accordance with Claim 1 wherein said step of generating a plurality of digital drawing views further comprises the steps of:

labeling dimensions on the plurality of drawing views produced; and

generating part cross references to a parts list based on the computer generated model.

15 3. A method in accordance with Claim 2 wherein said step of generating part cross references further comprises the step of applying the part cross references to the plurality of drawing views.

4. A method in accordance with Claim 1 wherein said step of editing the plurality of digital drawing views further comprises the steps of:

20 moving item balloons automatically created when during generation of the digital drawing;

moving callouts automatically created during generation of the digital drawing; and

deleting extra callouts automatically created during generation of the digital drawing.

5. A method in accordance with Claim 1 wherein the computer model is two-dimensional, said step of generating a plurality of digital drawing views further comprises the step of generating a plurality of orthographic views representing the computer model.

6. A method in accordance with Claim 1 wherein said step of generating a plurality of digital drawing views further comprises the step of applying welding symbology to each of the plurality of drawing views produced.

10 7. An apparatus for generating a digital drawing representation from a computer generated model of a bracket for a gas turbine engine, said apparatus comprising a processor programmed to generate a plurality of digital drawing views from the computer generated model.

15 8. Apparatus in accordance with Claim 7 wherein said processor further programmed to apply orthographic projection rules to generate the plurality of digital drawing views based on the computer generated model.

9. Apparatus in accordance with Claim 7 wherein said processor further programmed to label dimensions on the plurality of drawing views produced based on the computer generated model.

20 10. Apparatus in accordance with Claim 7 wherein said processor further programmed to generate part cross references to a parts list based on the computer generated model.

25 11. Apparatus in accordance with Claim 11 wherein said processor further programmed to apply the part cross references to the plurality of drawing views.

12. Apparatus in accordance with Claim 7 wherein said processor further programmed to generate the plurality of digital drawing views from a two-dimensional computer generated model of a bracket.

5 13. A system for generating a digital drawing of a computer generated model of a part, said system comprising:

- a client system comprising a browser;
- a data storage device for storing information relevant to a plurality of users; and

10 a server system configured to be coupled to said client system and said data storage device, said server system further configured to generate a plurality of digital drawing views based on the computer generated model.

15 14. A system in accordance with Claim 13 wherein said server system configured to apply orthographic rules to generate the plurality of digital drawing views.

20 15. A system in accordance with Claim 14 wherein said server system further configured to generate label dimensions on the plurality of drawing views produced.

25 16. A system in accordance with Claim 14 wherein said server system further configured to generate part cross references to a parts list based on the computer generated model.

17. A system in accordance with Claim 16 wherein said server system further configured to apply the part cross references to the plurality of drawing views.

25 18. A system in accordance with Claim 14 wherein said server system further configured to generate the plurality of digital drawing views from a two-dimensional computer generated model of a bracket.

19. A system in accordance with Claim 14 wherein said server system further configured to include welding symbology on each of the plurality of drawing views produced.

5 20. A system in accordance with Claim 14 wherein the computer generated model represents a gas turbine engine sheet metal bracket, said server system further configured to generate orthographic drawing views representing the computer generated model.